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Economics of late sown Bt cotton (*Gossypium hirsutum* L.) as influenced by different plant spacing, fertilizer levels and NAA applications under irrigation

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ABSTRACT

A field experiment was conducted on medium black soil to study the economics of late sown Bt cotton as influenced by different plant spacings, fertilizer levels and NAA applications under irrigation during 2006-07 at College of Agriculture, Raichur farm, University of Agricultural Sciences, Dharwad. The results of the investigation indicate that net returns were significantly higher with 90 x 30 cm (Rs. 38,603 ha^{-1}) which was at par with the 90 x 45 cm spacing (Rs. 36,661 ha^{-1}). The net returns realized with 150 per cent RDF were Rs. 37,227 ha^{-1} which was 7.5 per cent higher than that with 100 per cent RDF (Rs. 34,617 ha^{-1}). Benefit: Cost ratio was not significantly influenced by both spacing and fertilizer levels. Three sprays of NAA (Rs. 39,813 ha^{-1}) resulted in significantly higher net returns than two sprays of NAA (Rs. 36,022 ha^{-1}) and control (Rs. 31,932 ha^{-1}). Benefit cost ratio was significantly higher with three sprays of NAA (3.18) than two sprays of NAA (2.98) and control- water spray (2.79). Interaction effect were found to be non significant.

Key words : Economics, Bt cotton, Spacing, Fertilizer levels, NAA sprays

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